

What Is Claimed Is:

1. A compact drive, comprising at least an electric motor, a transmission, and a frequency converter, wherein the output shaft of the transmission and the rotor shaft are positioned in parallel, and the shaft-center distance from at least one transmission stage is determined.
2. The compact drive as recited in at least one of the preceding claims, wherein at least one transmission stage is a spur-gear transmission stage.
3. The compact drive as recited in at least one of the preceding claims, wherein the transmission stage is a variable transmission, in particular a continuously variable, wide-belt transmission or a chain drive.
4. The compact drive as recited in at least one of the preceding claims, wherein the electric motor is a synchronous motor and/or a permanent-magnet motor.
5. The compact drive as recited in at least one of the preceding claims, wherein the frequency converter is positioned laterally with respect to the rotor shaft.
6. The compact drive as recited in at least one of the preceding claims, wherein the transmission region is sealed with respect to the environment and the region of the motor, as well as with respect to the electronics compartment.
7. The compact drive as recited in at least one of the preceding claims, wherein the transmission region, the region of the motor, and the electronics compartment are at approximately the same temperature level.
8. The compact drive as recited in at least one of the preceding claims, wherein the motor has a sensor, in

particular one including a resolver stator and a resolver rotor.

9. The compact drive as recited in at least one of the preceding claims, wherein the rotor shaft and at least one shaft of the transmission are supported in the same housing part.

10. The compact drive as recited in at least one of the preceding claims, wherein only a single shaft-sealing ring runs on the rotor shaft.

11. The compact drive as recited in at least one of the preceding claims, wherein three shaft-sealing rings run on the output shaft.

12. The compact drive as recited in at least one of the preceding claims, wherein the housing is made up of housing parts and housing covers, in particular two housing parts and one housing cover.

13. The compact drive as recited in at least one of the preceding claims, wherein electrical connection terminals for load leads are provided on one housing part of the compact drive.

14. The compact drive as recited in at least one of the preceding claims, wherein the compact drive includes at least one electronic circuit for modulating or demodulating information upon the load leads.

15. The compact drive as recited in at least one of the preceding claims, wherein the housing includes at least one region, which has peaks and depressions, in particular grooves and/or corrugations, which allow liquids to drain off and are suitable for dissipating heat.

16. The compact drive as recited in at least one of the preceding claims, wherein the resistance to heat transfer from the corrugated region to the ambient air is less than the resistance to heat transfer from a planar region to the ambient air.

17. The compact drive as recited in at least one of the preceding claims, wherein the resistance to heat transfer from the power electronics of the electronic circuit through the corrugated region to the ambient air is less than the resistance to heat transfer from the power electronics through a planar region to the ambient air.